


भारत का राजपत्र
The Gazette of India
 प्राधिकार से प्रकाशित
 PUBLISHED BY AUTHORITY

सं० 49] नई दिल्ली, शनिवार, दिसम्बर 8, 1984 (अग्राहयण 17, 1906)
 No. 49] NEW DELHI, SATURDAY, DECEMBER 8, 1984 (AGRAHAYANA 17, 1906)

इस भाग में निम्न पृष्ठ संख्या दी जाती है, जिससे कि यह अलग संकलन के रूप में रखा जा सके।
 (Separate paging is given to this Part in order that it may be filed as a separate compilation)

भाग III—खण्ड 2
[PART III—SECTION 2]

पेटेंट कार्यालय द्वारा जारी की गई पेटेंटों और डिजाइनों से सम्बन्धित अधिसूचनाएं और नोटिस
(Notifications and Notices issued by the Patent Office relating to Patents and Designs)

THE PATENT OFFICE
 PATENTS AND DESIGNS

Calcutta, the 8th December 1984

**ADDRESS AND JURISDICTION OF OFFICES OF THE
 PATENT OFFICE**

The Patent Office has its Head Office at Calcutta and Branch Offices at Bombay, Delhi and Madras having territorial jurisdiction on a zonal basis as shown below :—

Patent Office Branch,
 Todi Estates, III Floor,
 Lower Parel (West),
 Bombay-400 013

The States of Gujarat, Maharashtra, and Madhya Pradesh, and the Union Territories of Goa, Daman and Diu and Dadra and Nagar Haveli.

Telegraphic address "PATOFFICE".

Patent Office Branch,
 Unit No. 401 to 405, III Floor,
 Municipal Market Building,
 Saraswati Marg, Kalor Bagh,
 New Delhi-110 005.

The States of Haryana, Himachal Pradesh, Jammu and Kashmir, Punjab, Rajasthan and Uttar Pradesh and the Union Territories of Chandigarh and Delhi.

Telegraphic address "PATENTOFIC".

Patent Office Branch,
 61, Wallajah Road,
 Madras-600 002.

The States of Andhra Pradesh, Karnataka, Kerala, Tamilnadu, and the Union Territories of Pondicherry, Laccadive, Minicoy and Amindivi Islands.

Telegraphic address "PATENTOFIS".

Patent Office, (Head Office),
 214, Acharya Jagadish Bose Road,
 Calcutta-700 017.

Rest of India.

Telegraphic address "PATENTS".

All applications, notices, statements or other documents or any fees required by the Patents Act, 1970 or the Patents Rules, 1972 will be received only at the appropriate Offices of the Patent Office.

Fees :—The fees may either be paid in cash or may be sent by Money Order or Postal Order, payable to the Controller at the appropriate Offices or by bank draft or cheque, payable to the Controller drawn on a scheduled bank at the place where the appropriate office is situated.

APPLICATION FOR PATENT FILED AT THE HEAD OFFICE 214, ACHARYA JAGADISH BOSE ROAD, CALCUTTA-17.

The dates shown in crescent brackets are the dates claimed under Section 135, of the Act.

31st October, 1984

764|Cal|84. WREDE KY. Method for the manufacture of a curved face laminated reflector which reflects radiation energy and in particular solar energy.

765|Cal|84. Imag-Verlags AG. Fur Immaterialguterrecht. A container being essentially of a tubular fabric.

766|Cal|84. Cyril John Williams. Material Treatment Apparatus.

2nd November, 1984

767|Cal|84. Fidia S.p.A. Pharmaceutical compositions and method for preparing....

5th November, 1984

768|Cal|84. Beloit Corporation. Converflo Trailing Element.

769|Cal|84. Pushpa Devi Agarwal, Rajendra Prasad Agarwal and Rajesh Prasad Agarwal. Improvements in or relating to a liquid fuel wick stove.

770|Cal|84. Institut Elektrovorki Imeni E. O. Patona Akademii Nauk Ukrainskoi SSR. A forming device for electrosag welding of light metals. (22nd September, 1981).

6th November, 1984

771|Cal|84. Sri Kishan Kumar Khemka; 2. Sri Deepak Kumar Khema and 3. Mrs. Kusum Khemka. Structural Material made of fiberglass and method of making same and a tent made therefrom.

APPLICATIONS FOR PATENTS FILED AT THE PATENT OFFICE BRANCH, MUNICIPAL MARKET BUILDING, 3RD FLOOR, KAROL BAGH, NEW DELHI-5

15th October, 1984

796|Del|84. The Director, Central pulp and paper research institute, "A process for recovery of sodium hydroxide".

16th October, 1984

797|Del|84. G. D. Societa Per Azioni, "Cigarette manufacturing machine with an auxiliary tobacco feed unit".

798|Del|84. White Consolidated Industries, Inc., "Soot blower". [Divisional date January 30, 1982].

799|Del|84. Union Carbide Corporation, "Cryogenic storage container".

800|Del|84. General Signal Corporation, "Thermocouple open circuit detector".

801|Del|84. Union Carbide Corporation, "Shipping container for storing materials at cryogenic temperatures".

802|Del|84. William Rodney George, "Container". [Convention date: October 19, 1983 & April 13, 1984].

803|Del|84. Delhi Cloth & General Mills Co. Ltd., "A process for the preparation of silicon tetrachloride".

804|Del|84. Delhi Cloth & General Mills Co. Ltd., "A process for the preparation of fumed silica".

805|Del|84. Delhi Cloth & General Mills Co. Ltd., "A process for the manufacture of sodium silicate".

17th October, 1984

806|Del|84. James Howden & Company Limited, "Reservoir for bearing". (Convention dated November 7, 1983).

807|Del|84. General Signal Corporation, "Data communications system".

808|Del|84. Astra Tech Aktiebolag, "Electrode, fixed and stabilised by vacuum".

809|Del|84. Union Carbide Corporation, "Abrasion resistant coating and method for producing the same".

810|Del|84. James Howden & Company Ltd., "A scoop for picking up lubricant". (Convention date November, 1983).

18th October, 1984

811|Del|84. Pritampal Singh, "Means for measuring levels of liquids in containers".

812|Del|84. Kameshwar Nath Mallik, "A process for the preparation of a feed mix".

813|Del|84. Kameshwar Nath Mallik, "An electromagnetic reactor".

814|Del|84. Kameshwar Nath Mallik, "A process for the production of hydrocarbons by an electromagnetic field".

20th October, 1984

815|Del|84. Utsawa Kumar Chaturvedi, "Automatic push-button controlled baffle valve for high vacuum system".

816|Del|84. Ambitious Gold Nib Mfg. Co. Pvt. Ltd., "An improvement in or relating to ball pen refill".

154709. Post dated to 19th May, 1981.
(87|Bom|81)

154715. Ante dated to 12th December, 1980.
(117|Bom|83)

COMPLETE SPECIFICATION ACCEPTED

Notice is hereby given that any person interested in opposing the grant of patents on any of the applications concerned, may, at any time within four months of the date of this issue or within such further period not exceeding one month applied for on Form 14 prescribed under the Patents Rules, 1972 before the expiry of the said period of four months, give notice to the Controller of Patents on the prescribed Form 15, of such opposition. The written statement of opposition should be filed along with the said notice or within one month of its date as prescribed in Rule 36 of the Patents Rules, 1972.

"The classifications given below in respect of each specification are according to Indian Classification and International Classification."

A limited number of printed copies of the specifications listed below will be available for sale from the Government of India Book Depot, 8, Kiran Sankar Roy Road, Calcutta, in due course. The price of each specification is Rs. 2/- (postage extra if sent out of India). Requisition for the supply of the printed specifications should be accompanied by the number of the specifications as shown in the following list.

Typed or photo copies of the specifications together with photo copies of the drawings, if any, can be supplied by the Patent Office, Calcutta on payment of the prescribed copying charges which may be ascertained on application to that office. Photo copying charges may be calculated by adding the number of pages in the specification and drawing sheets mentioned below against each accepted specification and multiplying the same by four to get the charges as the copying charges per page are Rs 4/-.

CLASS 77-D

154677

Inventor : 1. JAMES EDWIN BARRY HUNT.

Int. Cl. C 09 f 5/04.

Application No. 217/Cal/81 filed February 27, 1981.

TREATMENT OF CASHEW NUT SHELL LIQUID.

Convention date 29th February, 1980 (07002/80) U.S.A.

Applicant : MINNESOTA MINING AND MANUFACTURING COMPANY, AT 3M CENTER, SAINT PAUL, MINNESOTA 55133, U.S.A.

Inventors : 1. JOHN HENRY PAUL TYMAN, 2. MAHESH SOMABHAI PATEL, 3. ANTHONY PETER MANZARA.

Application No. 42/Cal/81 filed January 15, 1981.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

5 Claims

A method of treating cashew nut shell liquid to reduce the content of dihydric phenols therein comprising contacting the cashew nut shell liquid with a compound in an amount sufficient to react with all the dihydric phenols content therein to produce a reaction product which is stable under distillation conditions of high vacuum at 160 to 220°C and which will not form a reaction product with the monohydric phenol content which is stable under the distillation conditions for a period sufficient to allow said compound to react with the dihydric phenols present in the cashew nut shell liquid said compound being selected from an amine no more volatile than n-butylamine and having a basicity higher than that of diethanolamine, (b) an organic base hydroxide, or (c) a hydroxide of a Group IIA metal and thereafter distilling the resulting mixture under high vacuum at a temperature in the range 160 to 220°C and collecting the distillate which comprises cashew nut shell liquid having a reduced content of dihydric phenols.

Compl. specn. 17 pages.

Drgs. 1 sheet.

CLASS : 128-G & H

154678

Int. Cl. A 61 f 5/00.

A CERVICAL CAP AND A METHOD FOR THE MANUFACTURE THEREOF.

Applicant & Inventors : ROBERT A. GOEPP, UWE E. FREESE AND MARVIN P. LOEB, 5928 N. KILBOURN, CHICAGO, ILLINOIS, U.S.A.; 238 N. FOREST, OAK PARK, ILLINOIS, U.S.A., 7350 WASHTENAW, CHICAGO, ILLINOIS, U.S.A.

Application No. 188/Cal/81 filed February 18, 1981.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

13 Claims

A cervical cap comprising :

a flexible shell having a concave inner surface of sufficient depth to receive a major portion, but not all of a cervix uteri; and a resilient form-assuming internal liner on the concave inner surface defining a wettable, matingly fitting and resiliently complementing contact surface for the exocervical surface of the cervix uteri.

Compl. specn. 41 pages.

Drg. 4 sheets.

CLASS : 155-D

154679

Int. Cl. B 29 d 9/00; C 08 j 1/36.

HIGH PRESSURE DECORATIVE LAMINATES CONTAINING AN AIR-LAID WEB AND METHOD OF PRODUCING SAME.

Applicant : FORMICA CORPORATION, OF BERDAN AVENUE, WAYNE, STATE OF NEW JERSEY, UNITED STATES OF AMERICA.

A heat and pressure consolidated high pressure decorative laminate comprising, in superimposed relationship.

(a) a monostichous layer of randomly oriented, substantially non-hydrogen bonded, cellulosic fibers from 0.5 to 2.5 mm in average length, said layer being from 0.25 mm to 2.25 mm thick and containing from 20 to 35%, by weight, based on the total weight of fiber and resin in (a), of a thermoset resin and

(b) a thermoset resin impregnated, decorative sheet.

Compl. specn. 26 pages.

Drg. Nil.

CLASS : 131-G

154680

Int. Cl. C 04 g 1/00, 3/00.

MINE-ROOF SUPPORT.

Applicant : HERMANN HEMSCHIEDT MASCHINEN-FABRIK GMBH. & CO., OF BORNBERG 103, 5600 WUPPERTAL 1, GERMAN FEDERAL REPUBLIC.

Inventors : 1. HANS BÜLL, 2. GERHARD EWICH, 3. GUNTHER KUSCHKE, 4. ALFRED MAYKEMPER, 5. JOSEF WELZEL.

Application No. 276/Cal/81 filed March 13, 1981.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

11 Claims

A self-advancing mine-roof support for use in longwall mining comprising an abutment adapted to be disposed generally adjacent to and generally parallel to a work face, at least three roof-support elements spaced apart along the abutment and connected thereto by means allowing pivoting of the support elements with respect to the abutment so that they can be disposed in staggered formation (as opposed to line abreast formation), thereby causing the abutment to slant relative to the direction of advance, the roof-support units each comprising a floor runner and double-acting drive means for effecting movement between the floor runner and the abutment for advance of the roof-support; in which :—

(a) the drive means of a central one of the roof-support element includes a beam which is pivotally connected to the abutment for movement about a pivot point, the beam being generally aligned with the direction of advance;

(b) adjustment means are provided for adjusting to a limited extent the angle of the beam with respect to its associated floor runner whereby the direction of advance is adjustable; and

(c) the drive means of the outer ones of the roof-support elements are connected to the abutment indirectly by means of a linkage which allows the degree of stagger of the roof-support element to be changed without changing the "between centres" distance between the roof-support elements.

Compl. specn. 14 pages.

Drg. 3 sheets.

CLASS 40-B

154681

Int. Cl. B 01 j 11/00.

PROCESS FOR PREPARING CATALYST FOR THE POLYMERIZATION OF ALPHA-OLEFINS.

Applicant : EUTECO IMPIANTI S.p.A. OF VIA GALIANI 11, MILAN, ITALY.

Inventors : 1. RENZO INVERNIZZI, 2. FERDINANDO LIGORATI, 3. MAURIZIO FONTANESI, 4. ROBERTO CATENACCI.

Application No. 316/Cal/81 filed March 24, 1981.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

18 Claims.

A process for preparing a Ziegler catalytic system formed by the combination of an organometallic compound of a metal of Group I, II or III of the Periodic System of the Elements and a catalytic component formed of a compound of a transition metal of Group IV, V or VI of said Periodic System supported on a carrier, characterized by preparing a carrier consisting of an active solid complex by reacting magnesium chloride with an aliphatic alcohol and a fluorine-containing compound, as herein defined, at a temperature of from 100° to 200°C, said complex comprising from 2 to 15% by weight of fluorine and from 0.4 to 11% by weight of alcoholic hydroxyl groups reacting said transition metal compound with said complex at a temperature of from 20° to 150°C, and admixing the resulting supported catalytic component with said organometallic compound.

Compl. specn. 26 pages.

Drg. Nil.

CLASS : 107-C

154682

Int. Cl. F 02 f 1/20.

A CYLINDER LINER FOR USE WITH AN OIL COOLED INTERNAL COMBUSTION ENGINE.

Applicant : CUMMINS ENGINE COMPANY, INC., AT 1000 5TH STREET, COLUMBUS, INDIANA, UNITED STATES OF AMERICA.

Inventors : 1. JOHN H. STANG, 2. STEVEN M. CUSICK.

Application No. 505/Cal/81 filed May 13, 1981.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

22 Claims

A cylinder liner for use with an oil cooled internal combustion engine containing a cylinder bore extending inwardly from a head engaging surface toward a crank-shaft to which is connected a piston for reciprocating travel within the cylinder bore and further having a lubrication oil circuit including an oil inlet for supplying oil to the exterior surface of the cylinder liner at a point axially adjacent the head engaging surface and still further having an outside flow control surface formed on the interior of the cylinder bore starting adjacent the oil inlet the extending inwardly, comprising

a generally hollow cylindrical body having an interior cylindrical surface for guiding the piston during reciprocating movement and having an exterior surface one portion of which includes an oil flow passage forming means for cooperating with the outside flow control surface when the cylinder liner is mounted within the cylinder bore for forming a circumferential flow passage within which the lubrication oil may pass under laminar flow conditions in a direction generally parallel to the direction of reciprocating motion of the piston and extending inwardly from the oil inlet, when the liner is mounted within the cylinder bore, said oil flow passage forming means including an inside flow control surface having a fixed radius along its length which is .006 to .016 inches less than the radius of the outside flow control surface.

Compl. specn. 39 pages.

Drg. 4 sheets.

CLASS : 72-B.

154683

Int. Cl. C 06 b 19/00, 21/00.

AN AQUEOUS SLURRY-TYPE BLASTING COMPOSITION AND A SYSTEM FOR MAKING THE SAME.

Applicant : ENERGY SCIENCES PARTNERS LTD., OF PENTHOUSE, SEATTLE TOWER, SEATTLE, WASHINGTON 98101, U.S.A.

Inventors : 1. MICHAEL E. MAES, 2. ROBERT L. SHAW 3. ROYAL L. REINSCH.

Application No. 640/Cal/81 filed June 12, 1981.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

9 Claims.

A method of making a homogeneous, aqueous slurry-type blasting composition containing a dry particulate inorganic nitrate oxidizer and a fuel as herein defined, characterized by

premixing the fuel with water and a gelling agent to form a stable suspension of the fuel in the water;

mixing the aqueous suspension of fuel with the dry particulate nitrate oxidizer and an additional amount of water; and,

slowly tumbling the mixture for a brief time sufficient to uniformly mix the components such that the final explosive composition consists essentially of 50-80 percent by weight particulate in organic nitrate, 0.5 to 10 percent by weight finely divided aluminium flake, 0.5 to 10 percent by weight gelling agent and 15 to 35 percent water.

Compl. specn. 15 pages.

Drgs. 1 sheet.

CLASS : 98-G.

154684.

Int. Cl. F 28 f 9/00.

STRUCTURAL ARRANGEMENT FOR A CONCENTRIC TUBE RECUPERATIVE HEAT EXCHANGER AND IN PARTICULAR A SUPPORT FOR MODULAR TUBE TYPE HEAT EXCHANGER.

Applicant : THE AIR PREHEATER COMPANY, INC., OF ANDOVER ROAD, WELLSVILLE, NEW YORK, U.S.A.

Inventors : 1. JAY THEODORE WARE, 2. WAYNE STANLEY COUNTERMAN, 3. MILTIN CLAIR BROWN.

Application No. 715/Cal/81 filed June 30, 1981.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

8 Claims.

A concentric tube recuperative heat exchanger that comprises a plurality of laterally adjacent modules arranged to permit serial flow therethrough of a heating fluid and a fluid to be heated, each of said modules comprising a housing that encloses parallel upper and lower tube sheets having aligned apertures therein, said tube sheets dividing each module into a lower compartment for a heating fluid, an upper compartment for a fluid that has been heated and an inlet compartment for cool fluid to be heated therebetween, outer tube means tightly embracing the apertures of the lower tube sheet having a closed end that depends downward therefrom into the compartment for the heating fluid, central tube means embracing an aperture of the upper tube sheet and extending co-axially inside the outer tube to provide an annular passageway therebetween, an inlet port in said housing adapted to admit a cool fluid to be heated to the inlet compartment and direct it down through the annular passageway and up through the central tube to the outlet compartment for the heated fluid, and means admitting a heating fluid to the heat exchange compartment and directing it over the outer tube means in heat exchange relation

with the fluid to be heated, characterised by the provision of an elongate support beam which extend laterally between the housing wall intermediate the tube sheets adapted to supported the tube sheets and the tube means depending therefrom.

Compl. specn. 7 pages.

Drgs. 1 sheet.

CLASS : 149-A.

154685.

Int. Cl. E02 d 5/00.

REINFORCED CONCRETE PILES.

Applicant & Inventor : AMITAVA GHOSH DASTIDAR, OF 5, HUNGERFORD COURT, 12/1, HUNGERFORD STREET, CALCUTTA-700 017, WEST BENGAL, INDIA.

Application No. 180/Ca/82 filed February 15, 1982.

Complete Specification left on 10th May 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

18 Claims.

A reinforced concrete pile, for use as precast pile in bored hole, comprising a plurality of precast pile sections having integral jointing means at one or both end(s), said pile sections being jointed to each other to define a continuous pile shaft the said jointing means being constituted by a male joint and a female joint, the male joint being cap-shaped with a disc surface and skirting portion having provided therewithin desired number of tubular components crossing each other to define locating points for reinforcements of the pile sections, and said skirting portion having a number of circumferentially disposed holes which are in alignment with the holes of the said tubular components, while the female joint is in the form of a cylinder with a disc securedly fitted therewithin about half-way from the end to define two cap-shaped portions, the lower portion being so dimensioned as to constitute a receptacle for the said male joint and having a number of circumferentially disposed holes at its skirting to match with the corresponding holes provided on the skirting portion of the male joint for insertion of locking pins therethrough, and the upper cap-shaped portion of the female joint having provided therewithin desired number of tubular component crossing each other to define locating points for reinforcements of the pile sections, and the holes of the said tubular components being in alignment with corresponding holes provided circumferentially on the skirting of the said upper cap-shaped portion to receive fixing pins.

Compl. specn. 21 pages.

Drgs. Nil.

Provisional specification 11 pages.

Drgs. 2 sheets.

CLASS : 169B.

154686.

Int. Cl. F41c 19/00.

"IMPROVEMENTS IN AND RELATING TO HAND GUN".

Applicants : STERLING ARMAMENT COMPANY LIMITED, A BRITISH COMPANY OF STERLING WORKS, DAGENHAM, ESSEX, ENGLAND.

Inventor HORST ROH.

Application for Patent No. 650/Del/80 filed on 8th September, 1980.

Convention date 25th September, 1979/7933099 (G.B.).

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

7 Claims.

A hand gun comprising a receiver, a barrel coupled to the receiver, a cylinder rotatably positioned in the receiver and having a plurality of chambers each for receiving a round spaced about the cylinder axis, rotation of the cylinder serving to position each chamber coaxially with the barrel, stock means coupled to the receiver by which the gun can be held in the hand of a user, a hammer pivotally mounted on the

receiver and biased by a hammer spring about its pivot axis, and a trigger which is pivotally mounted on the receiver and movable by the operator against the action of a trigger return spring to move the hammer back against the bias of the hammer spring away from the cylinder to an armed condition and to release the hammer characterised in that the trigger return spring is a compression spring which is positioned in the stock means along the major dimension thereof from a spring abutment positioned in the end of the stock means remote from the receiver to a displaceable abutment adjacent the end of the stock nearest the receiver, the displaceable abutment being displaceable lengthwise of the stock means to compress spring by a transfer member, means for transmitting an operating force from the trigger, when moved to move the hammer back to the transfer member in a direction from which the direction of displacement of the displaceable abutment diverges, the transfer member translating said operating force to the direction of displacement of the displaceable abutment.

Compl. specn. 9 pages.

Drgs. 1 sheet.

CLASS : 98C, G.

154687.

Int. Cl. F23b 1/00.

"LOW PROFILE FLUID BED HEATER OR VAPORIZER".

Applicant : DORR-OLIVER INCORPORATED, OF 77 HAVEMEYER LANE, STAMFORD, CONNECTICUT 06904, UNITED STATES OF AMERICA, A CORPORATION ORGANIZED UNDER THE LAWS OF THE STATE OF DELAWARE, UNITED STATES OF AMERICA, ENGINEERS.

Inventor : ALBERT MARTIN LEON.

Application for Patent No. 652/DEL/80 filed on 9th September, 1980.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

14 Claims.

A fluid bed heater or vaporizer comprising an enclosed vessel having means for introducing an oxygen containing gas into the lower portion of said vessel to fluidize a body of particulate solids forming a fluidized bed within said vessel, heat exchange tubes within said vessel including convection radiation heat exchange tubes in the free board above said fluidized bed and in-bed heat exchange tubes within said fluidized bed, means for regulating the supply of air into said vessel to provide in the fluidized bed a combustion zone of high turbulence and low density and at least one heat transfer zone of relatively low turbulence and high density, said combustion zone and said heat transfer zone being in free-flow communication with each other and said in-bed heat exchange tubes being located in said heat transfer zone.

Compl. specn. 21 pages.

Drgs. 2 sheets.

CLASS : 69A.

154688.

Int. Cl. H02b 11/00.

"ELECTRICAL SWITCHGEAR OF THE ROTATING ARC, DOUBLY-BREAK TYPE"

Applicant : SOUTH WALES SWITCHGEAR LIMITED, A BRITISH COMPANY, OF BLACKWOOD, GWENT NP2 2XH, WALES, ENGLAND.

Inventor : JOHN PARRY.

Application for Patent No. 654/DEL/80 filed on 9th September, 1980.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

18 Claims.

Electrical switchgear comprising at least a contact set composed of a pair of first contact means and second contact means which are relatively movable between a closed position

in which the second contact means is engaged with both of the first contact means and an open position in which the second contact means is disengaged from both the first contact means, a pair of arcing electrodes to which the first contact means respectively form arcs during movement of the contact means from their closed position towards their open position, and a field coil through which the arcing current flows to generate a magnetic field to cause said arcs to rotate and become extinguished, the arcing electrodes being electrically connected at all times to respective terminal and connections of the field coil, the field coil and the arcing electrodes being electrically isolated from the first and second contact means in the open position of said contact means.

Compl. specn. 19 pages.

Drgs. 6 sheets.

CLASS : 69A.

154689.

Int. Cl. H02b 11/00.

"ELECTRICAL SWITCHGEAR".

Applicant : SOUTH WALES SWITCHGEAR LIMITED, A BRITISH COMPANY, OF BLACKWOOD, GWENT NP2 2XH, WALES, ENGLAND.

Inventor : JOHN PARRY.

Application for Patent No. 655/Del/80 filed on 9th September, 1980.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

15 Claims.

Electrical switchgear of the rotating arc type, comprising first contact means and second contact means which are relatively movable between a closed position wherein a first portion of the first contact means is engaged with the second contact means and an open position wherein said first portion of the first contact means is separated from the second contact means, a tubular arcing electrode to which a second portion of the first contact means forms an arc during movement of the first and second contact means from their closed position to their open position, the second portion of the first contact means engaging the arcing electrode before and for some time after the first portion of the first contact means disengages from the second contact means and a field coil electrically connected to the arcing electrode and disposed substantially co-axially therewith, such that the arcing current flows through the field coil to create a magnetic field which causes the arc to rotate and become extinguished, said second portion of the first contact means being adapted to engage the arcing electrode with a turning and wiping motion and them to move transversely of the axis of the field coil during movement of the first and second contact means towards their open position.

Compl. specn. 24 pages.

Drgs. 8 sheets.

CLASS : 136B, K; 25A; 27C.

154690.

Int. Cl. E04c 2/00; B28b 3/12; 5/02; 13/02.

"A MACHINE FOR PRODUCING BUILDING PANELS AND A METHOD THEREOF".

Applicant : BELL MASCHINENFABRIK AG., A SWISS COMPANY, OF CH-6010 KRIENS, SWITZERLAND.

Inventors : ALFRED BUBIK, OSKAR KUMMER AND BURKARD ROSENBERG.

Application for Patent No. 665/Del/80 filed on 11th September, 1980.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

11 Claims.

A machine for producing building panels from a stock suspension of fibres and a settable or curable material, the machine comprising a supply pipe for the suspension and a movable belt arranged to receive a layer of the mixture of fibre and the settable or curable material formed from the

suspension, a turbulence-producing device having at least one duct which widens in steps being arranged between the supply pipe and the belt and having at least one duct which widens in steps to terminate in an intermediate chamber in which there is a free surface level of the suspension at atmospheric pressure and an additional turbulence-producing device in the form of a rotatable bar roller, an outlet gap from the intermediate chamber leading to the top surface of the movable belt.

Compl. specn. 10 pages.

Drgs. 3 sheets.

CLASS : 105C, 2B(1, 2).

154691.

Int. Cl. B60q 9/00.

"ILLUMINANT DISPLAY DEVICE".

Applicant : NIHON NUMBER PLATE KABUSHIKI KAISHA, OF 49-1, UMEGAOKA 1-CHOME, SETAGAYA-KU, TOKYO, JAPAN, A JAPANESE COMPANY.

Inventor : TETSUNOSUKE MURAL.

Application for Patent No. 666/Del/80 filed on 11th September, 1980.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

10 Claims.

An illuminant display devices comprising :

a flat casing open on the front and internally having an illuminating means;

a plate member of an opaque material covering the opening on the front of said casing and having the outer surface thereof divided into at least two plate sections of different colors, said plate sections each having perforations in the form of a sign to be displayed; and

translucent pieces set in said perforations and tinted in colors contrasting with the colors of said plate sections.

Compl. specn. 14 pages.

Drgs. 3 sheets.

CLASS : 70C.

154692.

Int. Cl. C23b 9/02.

"A SINGLE STEP PROCESS FOR THE ELECTROLYTIC COATING OF ALUMINIUM AND ALUMINIUM ALLOY SUBSTRATES WITH SILICATES".

Applicant : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-110001. INDIA AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT (ACT XXI OF 1860).

Inventors : BALKUNJA ANANTHA SHENOI & VENKATARAMAN BALASUBRAMANIAN.

Application for Patent No. 672/Del/80 filed on 12th September, 1980.

Complete specification left on 9th November, 1981.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

6 Claims.

A single step process for the electrolytic coating of aluminium and aluminium alloy substrates with silicate comprising treating the substrate in an aqueous bath containing an alkaline and/or alkaline earth silicate, an alkali hydroxide and an additive salt such as borax, sodium or potassium salts of fluoride, carbonate, chromate, vanadate or titanate individually or in combination as an electrolyte by passing direct or alternating current in an electrolytic cell.

Provisional specification 6 pages.

Complete specification 9 pages.

CLASS : 32F₁(a).

154693.

Int. Cl. A231 1/26, C07d 91/00.

"PROCESS FOR DEODORIZING L-ASPARTYL-L-PHENYLALANINE ALKYL ESTERS".

Applicant : PFIZER INC., A CORPORATION ORGANISED UNDER THE LAWS OF THE STATE OF DELAWARE, UNITED STATES OF AMERICA, OF 235 EAST 42ND STREET, NEW YORK, STATE OF NEW YORK, UNITED STATES OF AMERICA.

Investor : FREDRIC JAMES VINICK.

Application for Patent No. 673/Del/80 filed on 15th September, 1980.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

(10 Claims).

A process for deodorizing an L-aspartyl-L-phenylalanine alkyl ester having odorous impurities formed in the preparation of said ester by the reaction of L-aspartic acid N-thiocarboxyanhydride and a L-phenylalanine alkyl ester, said alkyl groups having from 1 to 3 carbon atoms, comprising contacting said L-aspartyl-L-phenylalanine alkyl ester in aqueous solution at a pH between 2 and 6 with an effective amount of an alkali metal periodate at a temperature between 0 and 50°C.

Compl. specn. 14 pages.

Drgs. one sheet.

CLASS : 32F₁(a)

154694.

Int. Class : A231 1/26, C07d 91/00.

"PROCESS FOR THE PREPARATION OF L-ASPARTIC ACID N-THIOCARBOXYANHYDRIDE".

Applicant : PFIZER INC., A CORPORATION ORGANISED UNDER THE LAWS OF THE STATE OF DELAWARE, UNITED STATES OF AMERICA OF 235 EAST 42ND STREET, NEW YORK, STATE OF NEW YORK, UNITED STATES OF AMERICA.

Iventor : FREDRIC JAMES VINICK.

Application for Patent No. 674/Del/80 filed on 15th September, 1980.

Appropriate Office for opposition proceedings (Rule 4, Patents Rule, 1972) Patent Office Branch, New Delhi-110005.

(9 claims)

A process for preparing L-aspartic acid N-thiocarboxyanhydride which comprises contacting a 0.75 to 1.25 molar solution of an N-alkoxythiocarbonyl-L-aspartic acid, wherein said alkoxy group is of 1 to 3 carbon atoms, in an alkyl acetate solvent having from 1 to 4 carbon atoms in said alkyl group, with a phosphorous trihalide selected from phosphorous tribromide and phosphorous triiodide at a temperature from -10°C to 50°C and recovering the solid L-aspartic acid N-thiocarboxyanhydride produced.

(Complete specification 11 pages. Drawing 1 sheet).

CLASS : 401.

154695.

Int. Class : A61b 10/00.

"A PROCESS FOR PREPARING A COMPOSITION FOR DETECTING THE PRESENCE OF A SUGAR IN A TEST SAMPLE".

Applicant : MILES LABORATORIES, INC., MANUFACTURERS, A CORPORATION ORGANIZED AND EXISTING UNDER THE LAWS OF THE STATE OF DELAWARE, UNITED STATES OF AMERICA, DOING BUSINESS AT P.O. BOX 40, 1127 MYRTLE STREET, ELK-

HART, INDIANA 46515, UNITED STATES OF AMERICA.

Inventors : THOMAS ANTHONY MAGERS AND DAVID LEE TABB.

Application for Patent No. 676/Del/80 filed on 16th September, 1980.

Appropriate Office for opposition proceedings (Rule 4, Patents Rule, 1972) Patent Office Branch, New Delhi-110005.

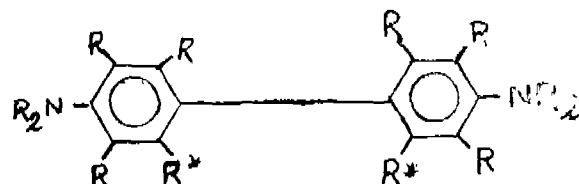
(11 claims)

A process for preparing a composition for detecting the presence of a sugar in a test sample, wherein said process comprises combining

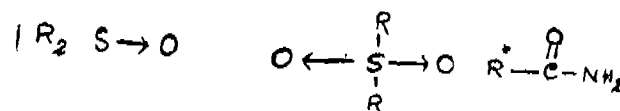
a peroxidase;

a sugar oxidase;

a chromagen compound having the structure shown in Fig II



in which R and R*, same or different, are H, lower alkyl, lower alkyloxy, aryl, or aryloxy, or in which the substituents R* together comprise (CH₂)_n in which n is 1 or 2; and



an enhancer compound having the structure

in which the R substituents, same or different, are as described above, or in which two or said R substituents bound to a common atom together form a closed ring having 3 to about 6 atoms, said ring being saturated, unsaturated, or aromatic, and in which R¹ is hydrogen or an alkyl or alkenyl group having 1 to about 20 carbon atoms

(Complete specification 24 pages. Drawing one sheet).

CLASS : 55D₁.

154696.

Int. Class : A01n 9/00.

"A PROCESS FOR THE PREPARATION OF A PESTICIDAL COMPOSITION".

Applicant : SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ B. V., OF CAREL VAN BYLANDT-LAAN 30, THE HAGUE, THE NETHERLANDS, A COMPANY ORGANISED UNDER THE LAWS OF THE NETHERLANDS, A RESEARCH COMPANY.

Inventors : JOHN STEWART BADMIN & BARRY JOHN MEARS.

Application for Patent No. 677/Del/80 filed on 16th September, 1980.

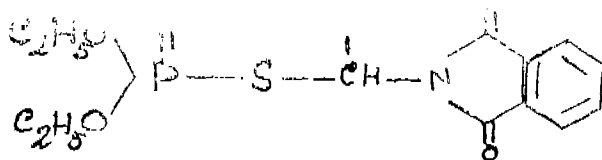
Convention date 18th September, 1979/7932320/(U.K.).

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-5.

(12 claims)

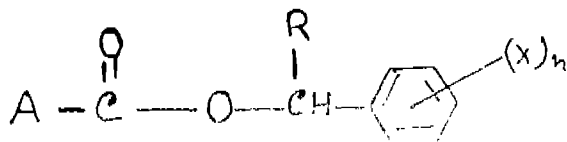
A process for the preparation of a pesticidal composition comprising

(a) the compound O, O-Diethyl S-(2-chloro-1-phthalimidoethyl) phosphorodithioate shown in Fig. 1.



and

(b) a pyrethroid insecticide having the general formula II



Wherein A is an optionally-substituted aralkyl, alkyl, cycloalkyl or arylaminoalkyl group of the kind such as herein described, R is hydrogen, cyano or ethynyl, X is alkyl, alkenyl, aralkyl or aryloxy group of the kind such as herein described and n is 1 to 5 together with a carrier which process comprises mixing by any known methods a compound of the general formula with a compound of the general formula II and at least one carrier of the kind such as herein described.

(Complete specification 15 pages. Drawing 2 sheets).

CLASS : 88F.

154697.

Int. Class : B01d 47/00.

"PROCESS FOR THE ABSORPTION AND SUBSEQUENT REMOVAL AS SULPHUR OF HYDROGEN SULPHIDE FROM GASES, GAS MIXTURES AND LIQUID HYDROCARBONS".

Applicant : CIBA-GEIGY AG., OF KLYBECKSTRASSE 141, 4002 BASEL, SWITZERLAND. A SWISS CORPORATION.

Inventors : DONALD RICHARD RANDELL & EMYR PHILLIPS.

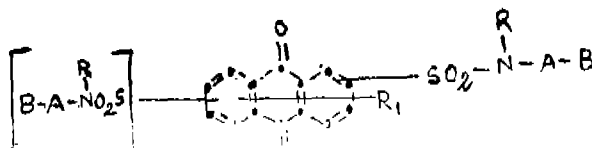
Application for Patent No. 686/Del/80 filed on 22nd September, 1980.

Divisional of Patent Application No. 21/Del/80 filed on 14th January, 1980.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-5.

(6 claims)

A process for the absorption and subsequent removal as sulphur of hydrogen sulphide from gases, gas mixtures and liquid hydrocarbons, in which the material containing hydrogen sulphide is washed with an aqueous solution having a pH value in the alkaline containing one or more compounds of the formula I



wherein A is a C₁-C₆ straight or branched chain alkylene radical, B is a —SO₃M, —C₂M, PO₃HM and —PO₃M, group where M is hydrogen or a cation giving a water-soluble derivative, R is hydrogen, a cation giving a water-soluble derivative or C₁-C₆ straight or branched chain alkyl, R₁ is hydrogen, methyl or —COOH and m is 0 or 1, one or more compounds of a metal having at least two valency states and if necessary, one or more chelating or sequestering agents for retaining such metal compounds in solution such as herein described.

(Complete specification 12 pages. Drawing 3 sheets).

CLASS : 68D.

154698.

Int. Class : H01h 3/32, G01r 31/08.

"APPARATUS FOR IDENTIFYING FAULTS IN POLYPHASE ALTERNATING CURRENT ELECTRIC POWER TRANSMISSION SYSTEMS"

Applicant : THE GENERAL ELECTRIC COMPANY LIMITED, A BRITISH COMPANY, OF 1 STANHOPE GATE, LONDON W1A 1EH, ENGLAND.

Inventors : MAKEEN MOHAMMED ELKATEB AND WILLIAM JOSEPH CHEETHAM.

Application for Patent No. 687/Del/80 filed on 22nd September, 1980.

Convention date 27th September, 1979/79 33571 (G.B.).

Appropriate office for opposition proceedings (Rule 4, Patents Rule 1972) Patent Office Branch, New Delhi-110005.

(10 claims)

An apparatus for identifying faults in a polyphase alternating current electric power transmission system comprising : transducer means connectable to line conductors of the system to produce analogue signals representative of system currents and/or voltages; signal deriving means connected to said transducer means and utilising said analogue signals to derive further analogue signals representing superimposed currents and/or voltage arising in the system on occurrence of a fault in the system; and means connected with said signal deriving means and utilising said further signals to produce an indication as to whether said fault is between phases or between one or more phases and ground, said indicating means comprising : analogue comparator means; signal addition and/or subtraction means connected between said signal deriving means and a first input of the comparator means to apply to said first input signals whose instantaneous values are equal to the instantaneous values of signals obtained by addition and/or subtraction of selected said further signals; and reference signal generating means connected with a second input of said comparator to apply thereto reference signals of predetermined value, thereby to indicate whether any of said signals applied to said first input of the comparator does not exceed the corresponding reference signal.

(Complete Specification 17 pages. Drawing 3 sheets)

CLASS : 114F

154699

Int. Class : C14c 3/00.

"PROCESS FOR TANNING LEATHER WITH ACRYLIC POLYMER AND MINERAL TANNING AGENT".

Applicant : ROHM AND HAAS COMPANY, A CORPORATION ORGANIZED AND EXISTING UNDER THE LAWS OF THE STATE OF DELAWARE UNITED STATES OF AMERICA, OF INDEPENDENCE MAIL WEST, PHILADELPHIA, PENNSYLVANIA 19104, UNITED STATES OF AMERICA.

Inventors : WILLIAM CLARK BEIFR & JAMES JOHN HODDER.

Application for Patent No. 688/Del/80 filed on 22nd September, 1980.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

(9 claims)

A process for tanning heavy leather which comprises treating leather stock at a pH of from 4.5 to 5.5 with polymer containing units of acrylic and/or methacrylic acid and optionally at least one of alkyl ester of acrylic acid, alkyl ester of methacrylic acid and partially silylated unsaturated drying oil such as herein described and subsequently treating the leather at a pH of from 1 to 3.3 with a mineral tanning agent such as herein described.

(Complete specification 23 pages).

CLASS : 65B.
Int. Class : H01 40/06.

154700.

"A CURRENT TRANSFORMER FOR A HIGH-TENSION INSTALLATION"

Applicant : ALSTHOM-ATLANTIQUE, A FRENCH BODY CORPORATE, OF 38 AVENUE KLEBER, 75784 PARIS CEDEX 16, FRANCE.

Inventors : EDMOND THURIES, JEAN-PAUL SADOULET AND ALAIN SANCHEZ.

Application for Patent No. 690/Del/80 filed on 22nd September, 1980.

Appropriate Office for opposition proceedings (Rule 4, Patents Rule, 1972) Patent Office Branch, New Delhi-110005.

(9 claims)

A current transformer for a high-tension installation, said transformer comprising a primary winding, a secondary winding and a magnetic circuit, said primary winding comprising a primary turn suspended from coaxially disposed inner and outer conductors and housed in an insulation chamber in the form of an annular tank constituted by a plurality of generally tubular metal components assembled end to end, with at least some of said components being curved, said chamber containing a dielectric fluid surrounding the primary turn, the magnetic circuit and the secondary winding being disposed around the primary winding outside the chamber and around one of said tubular metal components designated as a carrier component, said carrier component being connected to one of the adjacent tubular metal components via an electrically insulating seal, with electrical continuity of the chamber being provided by an electrical conductor which connects the adjacent end of said adjacent component to that end of the carrier component which is distant therefrom via a path which passes round the outside of both the magnetic circuit and the secondary winding.

(Complete specification 11 pages Drawing 2 sheets)

CLASS : 129G, 136C, 205B, G.

154701.

Int. Class : B32b 31/30.

"EXTRUSION DIE HEAD AND METHOD OF MAKING THE SAME"

Applicant : THE GENERAL TIRE & RUBBER COMPANY, A CORPORATION ORGANISED UNDER THE LAWS OF THE STATE OF OHIO, UNITED STATES OF AMERICA, OF ONE GENERAL SREET, AKRON, OHIO 44329, UNITED STATES OF AMERICA.

Inventors : DAVID CARL FETCHU AND WILLIAM HUGO WEIDMAN.

Application for Patent No. 695/Del/80 filed on 25th September, 1980.

Appropriate Office for opposition proceedings (Rule 4, Patents Rule, 1972) Patent Office Branch, New Delhi-110005.

(14 claims)

An extrusion die head for forming two elongated strips of elastomeric material from a core of said material emanating from a single bore in an extruder, said extrusion die head having an inboard end to be located facing toward said extruder and an outboard end to be located facing away from said extruder, said extrusion die head including an outer head section having a central opening extending from said inboard end to said outboard end, an inner head section located within said central opening and spaced from the walls of said central opening so as to define extrusion flow passages for the flow of said elastomeric material through said head, characterised in that :

- (a) said outer head section includes a ring member having a conical opening extending along the central axis of the ring member and extending from said inboard end to said outboard end of said extrusion die head, said conical opening formed by a radially inwardly facing conical surface, said inwardly facing

conical surface having a relatively small diameter at said inboard end of said extrusion die head and a relatively large diameter at said outboard end of said extrusion die head.

- (b) said outer head section also includes first and second cone members each having on one side a radially outwardly facing conical surface mating with the radially inwardly facing conical surface of said ring member and on the opposite side a flow passage surface for guiding end forming said elastomeric material, and
- (c) said inner head section includes a middle cone member having for its side edges radially outwardly facing conical surfaces that also mate with the radially inwardly facing conical surface of said ring member, and for its top and bottom sides flow passage surfaces each of which face one of said flow passage surfaces of said first and second cone members and forms therewith one of said extrusion flow passages for guiding and forming said elastomeric material into a desired strip shape as said material passes from said inboard end to said outboard end of said extrusion die head.

(Complete specification 26 pages. Drawing 1 sheet).

CLASS : 32B.

154702.

Int. Class : C07c 15/08.

"IMPROVED SINGLE STEP PROCESS FOR THE CONVERSION OF TOLUENE TO XYLENES"

Applicant : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-1, INDIA, AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT (ACT XXI OF 1860).

Inventors : SUNEETA BALVANT KULKARNI, PAUL RATNASAMY, ARVIND NARAYAN KOTASTHANE, ASHA JEEVAN CHANDWADKAR, GANGUNDI PRAKASH BABU AND KALPANA NEMAYYA CHANDAVAR.

Application for Patent No. 900/Del/80 filed on 16th December, 1980.

Appropriate Office for opposition proceedings (Rule 4, Patents Rule, 1972) Patent Office Branch, New Delhi-110005.

(4 claims)

An improved single-step process for the conversion of toluene into xylenes a mixture of ortho, meta and para xylenes, comprising reacting toluene with methanol or mixture of methanol and water in the presence of a catalyst prepared by the process of copending Indian patent application No. 581/Del/80.

(Complete specification 9 pages)

CLASS : 32F₁ + 32F_{2a} + 32F_{2b} + 32F_{2c}

154703.

Int. Cl. : C07c—121/00.

Title : AN IMPROVED PROCESS FOR THE PRODUCTION OF SUBSTITUTED ACETONITRILES.

Applicant : SEARLE (INDIA) LIMITED, OF RALLI HOUSE, 21 DAMODARDAS SUKHADVALA MARG, BOMBAY-400 001, MAHARASHTRA, INDIA, AN INDIAN COMPANY.

Inventors : DR. RAM NIWAS GOEL AND DR. RAVI RATAN SOBTI.

Application No. 263/Bom/1980 filed 4th September, 1980.

Comp. after Prof. left on 3rd December, 1981.

Appropriate office for opposition proceedings (Rule 4, Patents Rules 1972), Patent Office, Bombay Branch.

(5 claims)

An improved process for the production of substituted acetonitriles of the general formula I shown in the drawings accompanying the provisional specification, wherein R_1 stands for a phenyl group which can be mono-, di- or tri- substituted with a group or groups such as halogen like F, Br, Cl or I; C_1-C_6 alkoxy; C_1-C_6 alkyl (including cycloalkyl and aminoalkyl); C_1-C_6 mono- or dialkyl amino or combinations thereof; a 5 or 6 membered heterocyclic group having one or more N, O or S as a hetero atom or atoms, optionally substituted with a group or groups as given above or fused with an aromatic nucleus such as benzene nucleus, or 2-naphthyl group or substituted with C_1-C_3 alkyl, C_1-C_2 alkoxy or halogen (Cl, Br, I or F) at different positions in the naphthyl nucleus; R_2 stands for H or any of the groups defined in connection with R_1 above; R_3 stands for C_1-C_3 linear or branched alkyl group which can be mono-, or di-, substituted with halogen (F, Cl, Br or I), hydroxy, nitro, cyano, amino, C_1-C_3 mono-, or dialkyl amino, mono-, or di-, haloalkylamino, carbalkoxy such as carbomethoxy or carboethoxy, C_1-C_4 alkoxyaryl, 5 or 6 membered heterocyclic group (containing one or more hetero atoms such as O, N or S) or further substituted with halogen, lower alkyl or lower alkoxy group, 5 or 6 membered optionally substituted heterocyclic group having one or more N, S or O as hetero atom or atoms; R_4 and R_5 can join together to form a 5 or 6 membered heterocyclic (N, S or O) ring which can further be substituted in the ring or on the hetero atom with group such as alkyl, aryl, tosyl, mesyl or brosyl, said process comprising alkylating at the alpha position of the acetonitrile of the general formula II shown in the drawings accompanying the provisional specification, wherein R_1 and R_2 have the meaning as defined above by reacting the said acetonitrile of said formula II with an organic halide having the general formula R_6X , where R_6 has the meaning as defined above and X is a halogen such as Cl, Br or I in the presence of a quaternary ammonium compound such as herein described as catalyst characterised in that said reaction is carried out in an aqueous alkaline medium and an organic solvent not miscible with water.

(Comp. Specn. 9 pages, Drawing nil).

(Prov. Specn. 6 pages, Drwg. 1 sheet).

CLASS : 39L + 70B + 194.

154704.

Int. Cl. : B01k—3/00, C01g—23/00, 55/00, C23f—7/00.

"PROCESS FOR PREPARING AN ELECTRODE.

Applicant : ORONZIO DE NORA IMPIANTI ELETTRO-CHIMICI S.p.A. at Via BISTOLFI, 35-20134, MILAN ITALY.

Inventors : (1) GIUSEPPE BIANCHI (2) ANTONIO NIDOLA & (3) GIAN NICOLA MARTELLI.

Application No. 382/Bom/1980, filed on 12th December, 1980.

Divided to 117/Bom/83.

Appropriate office for opposition proceedings (Rule 4, Patents Rules 1972), Patent Office, Bombay Branch.

(12 claims)

A process for preparing an electrode consisting of a valve metal substrate and an electroconductive metal coating which comprises applying the coating of mixed oxides of metals, such as herein described, to the said substrate and decomposing the said coating by heating at temperature from 450°C to 1500°C to form said electroconductive coating and subjecting the said coating to localised high intensive heat by a scanning laser beam radiation in an oxidising atmosphere sufficient to decompose the said compound while maintaining at least a portion of the substrate at a lower temperature than that of said coating.

(Comp. Specn. 23 pages, Drgs. 4 sheets)

CLASS : 170 B.

154705.

Int. Cl. : C 11 d—11/00.

A PROCESS FOR PREPARING SPRAY-DRIED DETERGENT POWDERS AND DETERGENT POWDERS SO PREPARED.

Applicants : HINDUSTAN LEVER LIMITED, 165-166, BACKBAY RECLAMATION, BOMBAY-400020, MAHARASHTRA, INDIA.

Inventors : (1) PETER CORY KNIGHT (2) REGINALD MANLEY & (3) RAYMOND JOHN WILDE.

Application No. 12/Bom/1981, filed on 12th January, 1981.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972), Patent Office, Bombay Branch.

(6 claims)

Acrid free-flowing detergent powder based on phosphate salt detergent builder comprising :

- a known detergent active compound as herein described in an amount greater than 20 per cent by weight of the detergent powder;
- a phosphate salt detergency builder as herein described in an amount less than 20 per cent by weight of the detergent powder, and;
- bentonite or kaolin in an amount of from 0.6 to 15 per cent by weight based on the weight of the detergent powder.

(Complete specification 10 pages; Drawings nil).

CLASS : 39 C.

154706.

Int. Class : CO 1c—1/00.

METHOD OF MAKING AMMONIA.

Applicant : UNIVERSITY OF SOUTH CAROLINA, COLUMBIA, SOUTH CAROLINA, U.S.A.

Inventor : MEHMET NAFIZ OZYAGCILAR.

Application No. 17/Bom/1981. Dated the 16th January, 1981.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972), Patent Office, Bombay Branch.

(12 claims)

A method of making ammonia which comprises contacting nitrogen and hydrogen, in synthesis proportions and conditions as hereinbefore described, with a catalyst comprising a hydrided metal supported on a metal or an intermetallic compound capable of forming an unstable hydride

(Complete specification 20 pages, Drawings nil)

CLASS : 154 H.

154707.

Int. Cl. : D06p—1/00 + D06q—1/00

A PROCESS FOR PRINTING OF PURE CELLULOSIC WOOL, SILK OR VISCOSE FABRICS FOR IMPARTING A DIFFUSED PRINT EFFECT THERETO.

Applicants : THE AHMEDABAD MFG. & CALICO PRINTING CO LTD.

A Company incorporated under Indian Companies Act, 1913, Post Box No. 12, Ahmedabad, Gujarat, India.

Inventors : 1. KRISHNAKANT GIRDHARLAL SHAH, (2) KANAIYALAL DURGASHANKER PANCHOLI AND (3) JAGDISH ISHWARLAL SETALVAD.

Application No. 43/Bom/1981. Filed 9th February, 1981.

Appropriate office for opposition proceedings (Rule 4 Patents Rules 1972), Patent Office Branch, Bombay

(8 claims)

A process for printing fabrics consisting of cellulosic fibres, viscose, wool or silk for imparting a diffused print effect, thereto comprising :

- (i) printing the said fabric with a printing paste containing :
 - (a) suitable known reactive dyestuff for said fibres.
 - (b) a known thickening agent and
 - (c) an auxiliary agent such as polyethylene glycol having a molecular weight of 200 to 400 and having normally a capillary action and further also capable of dissolving a part of the dyestuff.
- (ii) drying the printed fabric so obtained followed by
- (iii) wet steaming the dried fabric under high pressure to fix the dyestuff and
- (iv) washing the finally obtained fabric in a known manner.

(Complete specification 12 pages, drawings nil)

CLASS : 154 H.

154708.

Int. Cl. : D06P—1|00+D06Q—1|00.

A PROCESS FOR PRINTING OF POLYESTER BLENDED OR POLYESTER MIXED FABRICS FOR IMPARTING A DIFFUSED PRINT EFFECT THERETO.

Applicants : THE AHMEDABAD MFG. & CALICO PRINTING COMPANY LIMITED, A COMPANY INCORPORATED UNDER INDIAN COMPANIES ACT, 1913 OF POST BOX 12, AHMEDABAD, GUJARAT STATE, INDIA.

Inventors : KRISHNAKANT GIRDHARILAL SHAH,

Inventors : KRISHNAKANT GIRDHARILAL SHAH, KANAIYALAL DURGASHANKER PANCHOLI & JAGDISH ISHWARLAL SETALVAD.

Application No. 44/Bom/1981. Filed on the 9th February, 1981.

Appropriate office opposition proceedings (Rule 4, Patents Rules, 1972), Patent Office, Bombay Branch.

(10 claims)

1. A process for printing of polyester blended or mixed fabrics for imparting a diffused print effect thereto, said fabric having polyester yarns mixed or blended with natural fibres, such as cellulose, silk, wool or viscose and present atleast in either the warp or weft comprising :

- (i) Printing the said fabric with a printing paste containing :
 - (a) atleast a known reactive dyestuff for said natural fibres with or without atleast one known disperse dyestuff suitable for polyester as the case may be
 - (b) a known thickening agent and
 - (c) an auxiliary agent such as polyethylene glycol having a molecular weight of 200 to 400 having normally a capillary action and further also capable of dissolving a part of the dyestuff.
- (ii) drying the printed fabric so obtained followed by
- (iii) wet steaming of the dried fabric under high pressure to fix the dyestuff and
- (iv) washing the finally obtained fabrics in a known manner, such that the final printed material has only natural fiber portions printed or both natural and synthetic fiber portions printed.

(Complete specification 17 pages, Drawings 2 sheets).

Ind. Cl. : 119 C.

154709.

Int. Cl. : D03-C 9|00.

Title : SHED-FORMING DEVICE FOR WAVELINE WEAVING LOOMS.

Applicants : AHMEDABAD TEXTILE INDUSTRY'S RESEARCH ASSOCIATION AN INDIAN REGISTERED BODY REGISTERED UNDER SOCIETIES ACT NO. XXI OF 1860, POLYTECHNIC, P.O. AHMEDABAD-330015, GUJRAT, INDIA.

Inventors : 1. CHITTATHOOR GOPALAN VENKATARAMAN, 2. BRADYUMANSINH BALVIRSINH JHALA, 3. VIJAY SINGH SARDASINGH JADEJA, 4. MAHENDRAKUMAR GHELABHAI SOLANKI, 5. JAGDISH-CHANDRA ARVIND KUMAR HIRANI.

Application No. 87/Bom/81 filed on 1st April, 1981.

Post dated to May, 19, 1981.

Complete left after provisional on the 10th June, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

(14 claims)

A shed forming device for waveline weaving looms, characterised in that a plurality of heald sections are divided into a plurality of groups in front and back rows for carrying respective groups of warp threads, depending on the desired waveline in the sheds, each of the said groups of heald sections being mounted on a heald frame, and means are provided for driving said heald frames up and down in predetermined phase displaced relationship to one another, thereby enabling the groups of said heald sections to generate travelling wave shed in synchronisation with the movement of weft carriers carrying predetermined length of weft threads through the wave shed.

(Provisional specification 5 pages. Drawing 4 sheets).

(Complete specification 15 pages. Drawing 6 sheets).

CLASS : 192 B.

154710.

Int. Cl. : D01h—1|00.

SLUB MOTION ATTACHMENT.

Applicant : RADHA KISHAN KHETAN, DEEDWANA OLI, LASHKAR, GWALIOR-474001, MADHYA PRADESH INDIA.

Application No. 115/Bom/1981, filed April, 29, 1981.

Complete after Prov. left on 24th July, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

(9 claims)

An improved slub motion attachment adapted to be mounted on the ring spinning frame of a textile spinning machine which comprises a random sequence multi-register pulse generator, means connected to said generator for controlling the frequency of occurrence of said pulses which emanate from the outputs of the registers, the outputs of a pre-selected combination of registers being connected to gate means adapted to produce random pulses only when pulses are provided at the inputs of each of the selected registers, a pulse-shaping and controlling network connected to the output of said gate means for controlling the width of each pulse, activation and delivery means connected to said network and adapted to receive the controlled pulse and apply it to the ring spinning frame whereby as a result of the presence of the pulse the middle and back rolls of the spinning frame are momentarily accelerated and a slub in the yarn being spun is thereby created.

(Comp. specn. 12 pages; Drgs. nil).

(Prov. specn. 7 pages Drwg. 1 sheet).

Ind. Cl. : 32F1+32F3b+32F2C
+55E4.

154711
154711.

Int. Cl. : C07c, 129/00, 133/10, A61k, 27/00.

Title : A PROCESS FOR THE MANUFACTURE OF NOVEL GUANIDINE DERIVATIVES.

Applicant : HINDUSTAN CIBA-GEIGY LIMITED, OF AAREY ROAD, GOREGAON EAST BOMBAY-400 063, MAHARASHTRA, INDIA, AN INDIAN SUBSIDIARY OF THE SWISS COMPANY CIBA-GEIGY LIMITED BASLE, SWITZERLAND.

Inventors : (1) KRISHNA GOVINDRAM DAVE (2) NARAYANA IYER VISWANATHAN AND (3) THOMAS GEORGE.

Application No. 122/BOM/81 filed on May 5, 1981.

Complete left after provisional on April 30, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

5 Claims.

A process for the preparation of new guanidine derivatives of the formula I shown in the drawings accompanying the provisional specification in which Ph is a phenyl radical optionally substituted by substituents such as herein described, R₁ is a substituted or unsubstituted aliphatic or cycloaliphatic hydrocarbon radical, R₂ is hydrogen or a substituted or unsubstituted aliphatic hydrocarbon radical. R₁ and R₂ taken together form a substituted or unsubstituted divalent hydrocarbon radical of aliphatic character, in which the carbon atoms of the chain can be interrupted by a heteroatom such as nitrogen, oxygen or sulphur. R₃ represents two hydrogen atoms or one hydrogen atom and a substituted or unsubstituted aliphatic or cycloaliphatic hydrocarbon radical or a substituted or unsubstituted divalent hydrocarbon radical of aliphatic character, in which the carbon atom of the chain can be interrupted by a hetero atom such as nitrogen, oxygen or sulphur. R₄ and R₅ stand for hydrogen and/or one of them can be a lower alkyl, cycloalkyl or an optionally substituted aryl. R₄ and R₅ when taken together form a substituted or unsubstituted divalent hydrocarbon radical of aliphatic character, in which the carbon atoms of the chain can be interrupted by a hetero atom such as nitrogen, oxygen or sulphur and their tautomeric compounds and salts, said process comprising reacting a compound of the formula IIb shown in the drawings accompanying the provisional specification, wherein Ph, R₃, R₄ and R₅ have the above meanings and X₂ is a detachable group such as loweralkylthio with an amine of the formula HNR₁ R₂ wherein R₁ and R₂ have the above meanings or a tautomer thereof.

Prov. Specn. 23 pages.

Drgs. 4 sheets.

Compl. Specn. 16 pages.

Drgs. Nil.

CLASS : 27 I.

154712

Int. Cl. E04b 1/00.

QUICK MOUNTING AND DISMANTLING TYPE STRUCTURAL FRAMEWORK FOR PANELLING.

Applicants : DISPLAY SYSTEMS, KARTAR BHAVAN, 4TH FLOOR, SAHID BHAGAT SINGH ROAD, COLABA, BOMBAY-400 005, MAHARASHTRA, INDIAN, PARTNER-SHIP FIRM, WHOSE PARTNERS ARE (1) REET MOHINDER SINGH & (2) SATYA PRAKASH RISHI.

Inventor : (1) REET MOHINDER SINGH.

Application No. 185/BOM/1981 filed June 27, 1981.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

4 Claims

Quick mounting and dismantling type structural framework for panelling comprising vertical members and horizontal bracings with quick locking means the horizontal bracings are mountable and locked in position by the locking means in longitudinal slots of vertical members and panels are being held in slots provided in the said vertical and horizontal members.

and wherein the vertical member is of extruded aluminium of specific cross-section defined in the accompanying drawings (Fig. 4 and 5) having continuous longitudinal slots on all the four sides for mounting of horizontal bracings and panels inside the slots and the said vertical members are required length depending upon of the height of structure.

and wherein the horizontal bracing, which contains the locking means, is also of extruded aluminium of specific construction defined in the accompanying drawings (Fig. 6, 7, and 8) having similar continuous longitudinal slots on the two opposite narrower sides and at the two ends of the horizontal bracing locking means are housed inside the hollow section, the lock being operated by an allen key and the horizontal bracings are of generally one meter long, but not restricted to.

Complete specification 8 pages.

Drgs. 3 sheets.

CLASS : 80K, 107G.

154713.

Int. Cl. : B01d 35/00.

IMPROVEMENTS IN OR RELATING TO CONTAINER FOR FUEL FILTER ASSEMBLY AND A FUEL FILTER ASSEMBLY INCORPORATING THE SAME.

Applicants : INDIAN OIL CORPORATION LIMITED, 254-C, DR. ANNIE BESANT ROAD, PRABHADEVI, BOMBAY-400 025, MAHARASHTRA, INDIA.

Inventors : (1) PREM DAYAL SRIVASTAV, (2) NRIANJAN RAGHUNATH RAJE, (3) PREM KRISHAN GOEL & (4) DR. JOGINDER SINGH AHLUWALIA.

Application No. 189/BOM/1981 filed June 30, 1981.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

22 Claims

An improved container for fuel filter assembly of diesel engines comprising in combination a container having a cylindrical perforated metal screen detachably attached to it on the inner side, means provided on the said metal screen for electrically heating the diesel fuel entering into fuel filter assembly wherein the fuel filter is to be disposed inside the metal screen.

Compl. specn. 22 pages.

Drgs. 7 sheets.

CLASS : 66, D3+D7.

154714.

Int. Cl. : H01k-1/00, 1/02, 1/50, 3/00, 3/02.

AN IMPROVED PROCESS FOR THE MAKING OF ELECTRIC TUNGSTEN HALOGEN INCANDESCENT LAMPS AND THE ELECTRIC TUNGSTEN HALOGEN INCANDESCENT LAMP MADE BY THE SAME.

Applicant : LITEX ELECTRICALS PVT. LTD., 9/6 DHIRAJ, SHRI HIND CO-OPERATIVE HOUSING SOCIETY, 23 DUNCAN CAUSEWAY ROAD, SION, BOMBAY-400 022, MAHARASHTRA, INDIA.

Inventor : AVINASH DATTATRAYA KULKARNI.

Application No. 268/Bom/1981 filed 16th September 1981.

Complete after provisional left on Sep. 3, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

9 Claims.

An improved process for the making of electric tungsten halogen incandescent lamp by methods known per se characterised in that mercuric iodide or mercuric bromide or mercuric chloride or a mixture thereof is used as halogen dosing agent prior to or during exhausting and sealing of the incandescent lamp.

Complete specification 10 pages, Drawing 1 sheet.

Provisional specification 5 pages, Drawing 1 sheet.

CLASS : 39L+70B+194C4.

154715.

7 Claims.

Int. Cl. : B01K-3/00, C01g-23/00, 55/00, C23f-7/00.

A PROCESS FOR PREPARING A HOMOGENEOUS PHASE OF MIXED OXIDES OF AT LEAST TWO DIFFERENT METALS.

Applicants : ORONZIO DE NORA IMPIANTI ELETTOCHIMICI, S.p.A. VIA BISTOLFI, 35-20134, MILANO, ITALY.

Inventors : (1) GIUSEPPE BIANCHI (2) ANTONIO NIDOLA AND (3) GIAN NICOLA MARTELLI.

Application No. 117/BOM/1983 filed April 4, 1983.
(Div. to 382/BOM/80) dated 12/12/80.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

8 Claims.

A process for preparing homogeneous phase of mixed oxides of at least two different metals wherein at least one metal belonging to the platinum group and at least one valve metal which comprises subjecting a mixture of thermally reducible salt of said metals to thermal decomposition in an oxidizing atmosphere to a temperature sufficiently high to decompose the said salts at temperature ranging from 350°C. to 1500°C for a period of time not more than 100 seconds and sufficient to form said oxides, characterised in that the said thermally reducible salts are subjected to localised heating in air by means of a scanning laser beam radiation to a temperature in excess of 500°C for a time of less than 100 seconds.

Compl. specn. 15 pages. Digs. Nil.

CLASS : 32-E.

154716.

Int. Cl. : C08f 1/16+19/18.

A PROCESS FOR MANUFACTURING STYRENE ACRYLONITRILE COPOLYMER.

Applicant : THE WESTERN INDIA PLYWOODS LTD., BALIAPATAM, CANNANORE DISTRICT, KERALA.

Inventors : (1) DR. SURENDRA KUMAR (2) DR. RAMAMURTI NANDAKUMAR.

Application No. 109/Mas/81 filed June 1, 1981.

Complete specification left May 6, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

3 Claims.

A process for manufacturing styrene acrylonitrile copolymer comprising irradiating by gamma radiation an azeotropic mixture of acrylonitrile and styrene in the liquid phase wherein the molar percentage of acrylonitrile ranges from 10-45%, the reaction temperature being $30 \pm 5^\circ\text{C}$ and the total irradiation to which the mixture is subjected being 0.5 to 3.0 Mrad at a dose rate lying between 0.0005 to 0.4 Mrad/hr.

(Prov. 3 pages; Compl. 6 pages).

CLASS : 66-D.

154717.

Int. Cl. : H01r 33/00.

IMPROVED HOLDER FOR ELECTRIC LAMPS.

Applicant & Inventor : DR. JOSE THAIKATTIL, UNIVERSITY HEALTH CENTRE, CALICUT UNIVERSITY P.O., KERALA.

Application No. 158/Mas/81 filed September 5, 1981.

Post dated to : March 5, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

An improved holder for electric lamps with a base having sidewardly projecting pins, comprising a cap or base capable of being removably fitted to a body, said body having a socket to hold the lamp and keep the same engaged with means for electrical connection between a source of power supply and the filament(s) electrodes inside the lamp, characterised in that said socket at its mouth for receiving the base of the lamp has a continuous rim with the provision of a plurality of spacedly positioned longitudinally disposed channels along the interior surface of the socket wall, each of said channels extending along the socket from its mouth for receiving the base of the lamp up to a hole provided on the socket wall spacedly positioned from the said mouth such that the lower margin of the said holes extends to a level below the tips of the fully compressed terminals within the socket, said channels when traced upwards directly leading to the said holes, said holes extending laterally along the socket wall to one or both sides of the said channels, so that the said channels provide access for longitudinal movement of the sidewardly projecting pins and the lower margin of the said holes acts as an abutment means for the said pins for keeping the lamp within the holder.

Compl. 12 pages; Drawings 2 sheets.

CLASS : 26.

154718.

Int. Cl. : A46b 5/00.

COMB.

Applicant & Inventor : DR. JOSE THAIKATTIL, UNIVERSITY HEALTH CENTRE, CALICUT UNIVERSITY, P.O., PIN CODE NO. 673 635, KERALA.

Application No. 159/Mas/81 filed September 5, 1981.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

3 Claims.

An improved comb comprising a base plate, teeth arising from the under surface of the base plate, said teeth being integral with the base plate, the top surface of the base plate being exposed for blowing air, means for holding provided in the form of a handle, characterised in that perforations are provided on the base plate in between the teeth, said perforations extending from the undersurface of the base plate to its exposed top surface, there being at least ten such perforations on the base plate, said perforations enabling the speedy removal of hair or dirt entangled between the teeth during combing.

Compl. 10 pages; Drawings 3 sheets.

CLASS : 22

154719.

Int. Cl. A61j 9/00.

IMPROVED INFANT FEEDER.

Applicant & Inventor : DR. JOSE THAIKATTIL, UNIVERSITY HEALTH CENTRE, CALICUT UNIVERSITY P.O., PIN CODE NO. 673 635, KERALA.

Application No. 163/Mas/81 filed September 5, 1981.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

8 Claims.

An improved feeding bottle comprising a tubular container body tapering at its top end to a neck defining a mouth and terminating at its lower end in an opening wider than the mouth at the upper end, means provided for holding a teat at the top end of the bottle, characterised in that the wider opening at the lower end of the bottle is provided with a cap or caps, said cap/caps has an outer part with an internally threaded skirt adapted to engage with the externally threaded lower end of the bottle and an inner part with a circular lip or rim adapted to engage with the neck at the lower end of the bottle thereby effecting a leak proof closure.

Compl. 7 pages; Drawing 1 sheet.

Class 200-D

154720

Int. Cl.: F 04 f 1/00+11/00.

STEAM OPERATED PISTONLESS PUMP.

Applicant: CENTRAL POWER RESEARCH INSTITUTE OF POST BOX No. 1242 BANGALORE-560 012 KARNATAKA.

Inventor: SHRINIVASAN JAYARAMAN

Application No. 226/Mas/81 filed December 7, 1981.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

13 Claims

A steam operated pistonless pump for drawing and delivering water comprising a main tank, an auxiliary tank or fountain chamber fitted on the base of the main tank and extending partly into the main tank, a tube extending from the interior of the auxiliary tank into the main tank and terminating in a shower rose a pair of spouts on the sides of the auxiliary tank, a suction pipe opening into the main tank at the top of the main tank, a branch pipe connecting the suction pipe and the interior of the main tank and terminating in a shower rose, a steam boiler connected to the main tank, a second branch pipe connecting the suction pipe to the steam boiler, a pair of spouts on the suction pipe and delivery pipe connected to the main tank near its bottom.

(Com. 10 pages; Drwgs: 3 sheets)

Class:—168A, H & 67 A, C.

154721

Int. Class:—G08b 5/00, 1/08.

"A SIGNAL CIRCUIT".

Applicant:—SACHINDRA NATH SEN, an Indian national of MC/AP/17, Mini Campus, I.I.T., New Delhi-110029, India.

Inventor:—SACHINDRA NATH SEN.

Application for patent no. 131/Del/79 filed on 22nd February, 1979.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

(5 Claims)

A signal circuit capable of use as an engine order telegraph system on vessels comprising a transmitter circuit and one receiver circuit, said transmitter circuit comprising a plurality of switching circuits, each of said switching circuits having at least one visual signal means, such as a lamp, said lamp being adapted to be connected to a power source of said transmitter through a pair of contacts of said switching circuit of said transmitter, a second power source connected to said receiver, each of said switching circuits of the receiver having at least one lamp, the lamp of switching circuit of the transmitter being connected to the lamp of its corresponding switching circuit of the receiver.

(Complete specification 11 pages Drawing 1 sheet).

Class:—70C.

154722

Int. Class: C23b 5/00.

"AN IMPROVED PROCESS FOR BLACK CHROME PLATING ON ELECTROFORMED COPPER/NICKEL FOILS FOR SOLAR ENERGY APPLICATIONS".

Applicant: COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAJ MARG, NEW DELHI-110001, INDIA AN INDIAN REGISTERED BODY INCORPORATED UNDER REGISTRATION OF SOCIETIES ACT (ACT XXI OF 1860).

Inventors: BALKUNJE ANANTHA SHENOI, SUBBIAH JOHN, NANDAGOPAL VARADAPPA SHANMUGHAM, KUMANDUR NARAYANA SRINIVASAN & MARIAPPAN SELVAN.

Application for patent no. 661/Del/80 filed on 10th September, 1980.

Complete specification left on 8th December, 1981.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-5.

3 Claims

An improved process for black chrome plating on electroformed copper/nickel foils for solar energy applications comprising the steps of alkaline cleaning, rinsing, acid dipping, rinsing/nickel plating on non-nickel foils, rinsing, selective black chrome plating and finally rinsing the said selective black chrome coated foils characterised in that the electrolyte used consist of an aqueous solution containing 250—450 g/l sulphate free chromic acid, 4-15 g/l trivalent chromium and 0-70 g/l sodium hydroxide in the presence of catalyst selected from the group such as maleic acid, formic acid, o-nitro benzoic acid, m-amino benzoic acid or mixture thereof in the concentration range of 0.1-10 g/l.

(Provisional specification 7 pages).

(Complete specification 9 pages).

CLASS: 50B.

Class:—50B

154723

Int. Class:—F25d 31/00.

"AN AIR COOLER".

Applicant:—RAM NARAIN KHER, of E-45, New Delhi South Extension, Part-I, New Delhi-110049, India, an Indian national.

Inventor:—RAM NARAIN KHER.

Application for Patent No. 682/Del/80 filed on 10th September, 1980.

Appropriate office for opposition proceedings (Rule 4, Patents Rule, 1972) Patent Office Branch, New Delhi.

(11 Claims)

An air cooler comprising a cabinet with a blower and a water pump disposed therein, a plurality of openings provided at least with one of the walls of said cabinet other than the front wall, said blower drawing air within said cabinet through said openings, a pipe connected to said pump, a plurality of outlets provided in said pipe and such that the water from said outlets comes in contact with the air drawn by said blower and such as to allow a cooling of said air, a separator provided at the outlet of said cabinet for causing a separation of the water particles from the cooled air.

(Complete Specification 10 pages Drawing one sheet).

CLASS: 50E2, F, 6A.

154724

Int. Class:—F25b, 31/00.

"ENCAPSULATED MOTOR-COMPRESSOR UNIT FOR REFRIGERATORS".

Applicant:—NECCHI SOCIETA PER AZIONI, a company organized under the laws of the Italian Republic of Via Rismondo 78, PAVIA, Italy.

Inventor: ALFREDO BAR.

Application for Patent No. 691/Del/1980 filed on 23rd September, 1980.

Appropriate office for opposition proceedings (Rule 4, Patents Rule, 1972) Patent Office Branch, New Delhi-110005.

2 Claims.

An improved encapsulated motor-compressor group for refrigerators comprising a stator pack and a rotor fixed to a shaft which actuates, by means of a crank mechanism, a piston housed in a cylindrical body closed at one end by a valve plate and a head, characterized by the fact that it comprises a bridge element which receives and supports said stator pack and in which is inserted a support bushing for said shaft, a C-shaped element extending from said bridge element & receiving said cylindrical body a flanged portion of which is secured to the base of said C-shaped element together with said valve plate and said head.

(Complete specification 6 pages Drawing 1 sheet).

CLASS : 175H, A; 50D 154725

Int. Cl. F16j 1/00, 1/14, 1/22] 7/00.

CONNECTING ROD-PISTON ASSEMBLY IN MOTOR-COMPRESSOR UNITS FOR REFRIGERATORS.

Applicant : NECCHI SOCIETA PER AZIONI, A COMPANY ORGANISED UNDER THE LAWS OF THE ITALIAN REPUBLIC OF VIA RISMONDO 78, PAVIA, ITALY.

Inventor : ALFREDO BAR.

Application for Patent No. 692/Del/80 filed on 23rd September, 1980.

Appropriate office for opposition proceedings (Rule 4, Patents Rule, 1972) Patent Office Branch, New Delhi-110005.

3 Claims

A connecting rod-piston assembly in motor-compressor units for refrigerators, characterized in that it comprises a ball fixed to the connecting rod shaft and resting in a cavity provided in the piston head, said ball being restrained and articulated between spherical sectors of plastics material interposed between said ball and the inner wall of the piston and distanced by gaps, said spherical sectors extending in anchoring pins which engage radical bores of the piston.

Complete specn. 6 pages. Drg. 1 sheet)

CLASS : 177 D 154726

Int. Cl. F22g 5/40.

A REHEAT TEMPERATURE CONTROL SYSTEM IN A UTILITY STEAM GENERATOR.

Applicant : BHARAT HEAVY ELECTRICALS LTD., AN INDIAN COMPANY OF 18/20, KASTURBA GANDHI MARG, NEW DELHI-110001, INDIA.

Inventor : KARUPPAGOUNDER PONNUSAMY.

Application for Patent No. 700/Del/80 filed on 29th September, 1980.

Patent of addition to 778/Del/79 filed on 5th November, 1979.

Appropriate office for opposition proceedings (Rule 4, Patents Rule, 1972) Patent Office Branch, New Delhi-110005.

3 Claims

A reheat temperature control system in a utility steam generator for a multistage steam turbine comprising a two stage steam reheater arranged in the furnace of the steam generator, each stage of the reheater having its own inlet header and outlet header, cold reheat steam line from high pressure stage of said turbine being connected to the inlet header of the first stage reheater, the outlet header of the first stage reheater and the inlet header of the second stage reheater being connected together through a connecting line, the outlet header of the second stage reheater being connected to the hot reheat steam line leading to intermediate pressure stage of the turbine as described in parent patent application No. 778/Del/79 characterised in that a by pass line is provided between said cold reheat steam line and the said connecting line, a control valve being provided in the said by pass line or cold reheat steam line for regulating steam passed through the 1st stage re-

heater and thereby the temperature to which the steam is reheater in the steam generator.

Complete specn. 8 pages.

Drg. 1 sheet.

CLASS : 64 A

154727

Int. Cl. H01h, 85/00.

ELECTRIC FUSE.

Applicant : THE ENGLISH ELECTRIC COMPANY LIMITED, A BRITISH COMPANY, OF 1 STANHOPE GATE, LONDON W1A 1EH, ENGLAND.

Inventor : JOHN FEENAN & RONALD VINCENT WAFER.

Application for Patent No. 706/Del/1980 filed on 29th September, 1980.

Convention dated 10th October, 1979/7935213/(U.K.)

Appropriate office for opposition proceedings (Rule 4, Patents Rule, 1972) Patent Office Branch, New Delhi-110005.

4 Claims

An electric fuse incorporating a tubular body of insulating material, metal end caps on the respective ends of the tubular body and an elongate fuse element having regions of reduced cross-sectional area and extending through the tubular body in electrical series between the metal end caps, wherein the fuse also incorporates within each end cap a respective gasket of an absorbent material impregnated with an arc-inhibiting substance containing water which is releasable on the substance being heated.

Complete specn. 6 pages

Drg. 1 sheet.

CLASS : 35 C, G

154728

Int. Cl. C04b 27/00.

A PROCESS FOR THE MANUFACTURE OF COLOURED CLINKER.

Applicant : CEMENT RESEARCH INSTITUTE OF INDIA, M-10, SOUTH EXTENSION PART II, RING ROAD, NEW DELHI-110049, INDIA, AN INDIAN INSTITUTE.

Inventors: SURENDER KRISHAN CHOPRA, SUBHASH CHANDER AHLUWALIA SHOBHAY LAXMI, NARESH CHANDER SHARMA & DEVESH KUMAR SINGH.

Application for Patent No. 716/Del/80 filed on 1st October, 1980.

Complete specification left on 1st October, 1981.

Appropriate office for opposition proceedings (Rule 4, Patents Rule, 1972) Patent Office Branch, New Delhi-110005.

7 Claims

A process for the manufacture of coloured clinker which consists in preparing a mix consisting of ordinary grade limestone normally used in the manufacture of grey clinker, siliceous component and mineral ore and process wastes such as herein described, heating such a mix to a temperature of between 1400 to 1500°C to obtain coloured clinker.

Provisional specification 7 pages.

Complete specification 15 pages.

CLASS : 35C, G.

154729.

Int. Cl. C04b 27/00.

A PROCESS FOR THE MANUFACTURE OF COLOURED CLINKER.

Applicant : CEMENT RESEARCH INSTITUTE OF INDIA, M-10 SOUTH EXTENSION PART II, RING ROAD, NEW DELHI-110049, INDIA, AN INDIAN INSTITUTE.

Inventors : SURENDER KRISHAN CHOPRA, SUBHASH CHANDER AHLUWALIA, SHOBHAY LAXMI, NARESH CHANDER SHARMA & DERNESH KUMAR SINGH.

Application for Patent No. 717/Del/80 filed on 1st October, 1980.

Complete specification left on 1st October, 1981.

Appropriate office for opposition proceedings (Rule 4, Patents Rule, 1972) Patent Office Branch, New Delhi-110005.

5 Claims

A process for the manufacture of coloured clinker which consists in preparing a mix consisting of lime stone having a CaO content lower than that normally used in ordinary portland cement, mineral ore and process wastes, such as ferro-chrome slag, chromite ore waste, pyrolusite ore wastes, high manganese bearing blast furnace slag or red mud, and siliceous components, the disilicate to trisilicate ratio being between 1.5 to 3, heating said mix such as to induce crystal defects to obtain a colourization of the clinker and, thereafter, cooling said clinker.

Provisional specification 6 pages.

Complete specification 13 pages.
CLASS : 189

154730

Int. Cl. A61k 7/16.

A METHOD FOR MANUFACTURING A STABLE CARRAGEENAN-CONTAINING COSMETIC COMPOSITION FROM AN UNSTABLE CARRAGEENAN-CONTAINING COSMETIC COMPOSITION.

Applicant : COLGATE-PALMOLIVE COMPANY, OF 300 PARK AVENUE, NEW YORK, NEW YORK-10022, UNITED STATES OF AMERICA, A CORPORATION ORGANIZED UNDER THE LAWS OF THE STATE OF DELAWARE, UNITED STATES OF AMERICA.
Inventor : GEORGE VANE SCOTT.

Application for Patent No. 721/Del/80 filed on 3rd October, 1980.

Appropriate office for opposition proceedings (Rule 4, Patents Rule, 1972) Patent Office Branch, New Delhi-110005.

20 Claims

A method for manufacturing a stable carrageenan-containing cosmetic composition from an unstable carrageenan-containing cosmetic composition of the kind such as herein described which comprises directing microwave radiation onto such composition in such quantity as to raise the temperature thereof to at least the gel-sol transition temperature of the carrageenan, and quiescently cooling the composition from gel-sol transition temperature of the carrageenan to room temperature.

Complete specification 37 pages.

Drg. 1 sheet.

OPPOSITION PROCEEDINGS

The opposition entered by Pefco Foundry and Chemicals Ltd. to the grant of a Patent on application No. 152737, made by Syntex Corporation as notified in the Gazette of India, Part III, Section 2 dt. 6th October, 1984 has been dismissed and ordered that a patent to be sealed.

151575 152546 152589 152591 152599 152601 152602 152612 152619 152621 152625 152627 152628 152629 152630 152631 152637 152638 152639 152641 152642 152668 152669 152670 152671 152672 152673 152677 152678 152679 152680 152682.

RENEWAL FEES PAID

123504 124115 124139 124297 124502 129119 129376 133482 133483 133545 133603 133740 136388 136963 137487 137606 137843 137998 138115 138916 138937 139182 139290 139417 139834 140003 140098 140244 140349 140397 140669 140878 142403 142594 142709 143193 145301 145639 145753 145780 146295 146588 147516 147791 147851 148834 148871 149048 149088 149367 149646 149704 149891 150062 150226 150374 150618 150657 150786 150867 150892 150899 150980 151024 151444 151650 151728 151785 151879 151880 151953 151989 152093 152094 152105 152108 152109 152123.

REGISTRATION OF DESIGNS

The following designs have been registered. They are not open to inspection for a period of two years from the date of registration except as provided for in Section 50 of the Designs Act, 1911.

The date shown in the each entry is the date of registration of the design included in the entry.

Class 1. No. 154465. Anjali Products, 170 Bombay Talkies Compound, Malad (West), Bombay-400064, State of Maharashtra, India. "A Multipurpose serving Fork". 30th May, 1984.

Class 1. No. 153706. Bajaj Auto Ltd., Akurdi Poona 411035, Maharashtra, India. "Motor Scooters". 28th November, 1983.

Class 1. No. 153707. Bajaj Auto Ltd., Akurdi Poona 411035, Maharashtra, India. "Motor Scooters". 28th November, 1983.

Class 1. No. 153708. Bajaj Auto Ltd., Akurdi Poona 411035, Maharashtra, India. "Motor Scooters". 28th November, 1983.

Class 1. No. 154244. National Tape Co., Forozepur Road, Ludhiana (Punjab) an Indian Partnership Concern. "Measuring Tape". 30th March, 1984.

Class 1. No. 154677. Carl Zitzmann GmbH & Co., a company organised under the laws of Federal Republic of Germany of 14, Ernst-Abbe-Strasse, D-6980 Wertheim, Federal Republic of Germany. "Flask". 10th August, 1984.

Class 1. No. 154567. Premier Supply Co., 3/51, Punjabi Bagh, New Delhi-110026, an Indian Sole Proprietorship concern. "Plastic Seal". 4th July, 1984.

Class 1. No. 154575. Grindedge India, 10E/29, East Patel Nagar, New Delhi-110008, an Indian Sole Proprietorship concern. "Engine Driven Flexible Shaft Grinder". 10th July, 1984.

Class 1. No. 154813. Makarand Ramkrishna Churi, Thakur Building, 2nd floor, Kashinath Dhura Road, Dadar, Bombay-400028, Maharashtra State, India, a subject of the Republic of India. "Dhokala Making Plates". 12th September, 1984.

Class 1. No. 154620. Metallizing Equipment Company (Pvt.) Ltd., 5th Chopasni Road, Jodhpur-342003, Rajasthan, India. "Arcjet Metal Spray Gun". 20th July, 1984.

Class 1. No. 154220. Prince Industries, of 1256-Mehar Sarai, Balimaran, Delhi-110006, India, an Indian National. "Toy". 23rd March, 1984.

Class 1. No. 154629. Virendra Kumar Bhatnagar Indian National, of A-139, Shanker Garden, Near Dhauli Palyu, Najafgarh Road, New Delhi-110018. "Metallic Fasteners". 25th July, 1984.

Class 1. No. 154663. Punjab Metals, 306, Lotus House, 33-A, New Marine Lines, Bombay-400020, Maharashtra, an Indian Sole Proprietary Firm. "Barni". 4th August, 1984.

Class 1. No. 154801. Manek Metal Industries of 15, Bada Mandir, Gaushale, Bombay-400002, Maharashtra State, India, an Indian firm, registered under the Indian Partnership Act. "Juice Squeezer". 6th September, 1984.

- Class. 1. No. 154702. Niky Tasha (India) Private Limited, a Company incorporated under the Indian Companies Act, 1956, having its registered office at Mahajan House, E1 & E2, N.D.S.E. Part II, New Delhi-110049. "Kerosette". 17th August, 1984.
- Class. 1. No. 154703. Niky Tasha (India) Private Limited, a Company incorporated under the Indian Companies Act, 1956, having its registered office at Mahajan House, E1 & E2, N.D.S.E. Part II, New Delhi-110049. "Kerosette". 17th August, 1984.
- Class. 1. No. 154704. Niky Tasha (India) Private Limited, a Company incorporated under the Indian Companies Act, 1956, having its registered office at Mahajan House, E1 & E2, N.D.S.E. Part II, New Delhi-110049. "Kerosette". 17th August, 1984.
- Class. 1. No. 154705. Niky Tasha (India) Private Limited, a Company incorporated under the Indian Companies Act, 1956, having its registered office at Mahajan House, E1 & E2, N.D.S.E. Part II, New Delhi-110049. "Kerosette". 17th August, 1984.
- Class. 1. No. 154741. United States Surgical Corporation, a Corporation of the States of New York, having its offices at 150 Glover Avenue, Norwalk, Connecticut 06850, U.S.A. "Lateral Anastomosis Surgical Stapler". 27th August, 1984.
- Class. 1. No. 154742. United States Surgical Corporation, a Corporation of the States of New York, having its offices at 150 Glover Avenue, Norwalk, Connecticut 06850, U.S.A. "Cartridge for Lateral Anastomosis Surgical Stapler". 27th August, 1984.
- Class. 1. No. 154371. Samsonite Corporation, a Corporation organised under the laws of the State of Colorado, U.S.A., of 11200 East 45th Avenue, Denver, Colorado 80239, U.S.A. "Latch for a Suitcase". Reciprocity date is 1st November, 1983. (U.K.).
- Class. 1. No. 154733. Saurashtra Castings behind Pattani Eye Hospital, Yondal Road, Rajkot-360004, an Indian Proprietorship Concern. "Cast Iron Colarplug". 24th August, 1984.
- Class. 1. No. 154743. United States Surgical Corporation, a Corporation of the States of New York, having its offices at 150 Glover Avenue, Norwalk, Connecticut 06850, U.S.A. "Linear Surgical Stapler". 27th August, 1984.
- Class. 1. No. 154744. United States Surgical Corporation, a Corporation of the States of New York, having its offices at 150 Glover Avenue, Norwalk, Connecticut 06850, U.S.A. "Cartridge for a Linear Surgical Stapler". 27th August, 1984.
- Class. 1. No. 154835. Suzuki Jidosha Kogyo Kabushiki Kaisha, a corporation duly organized and existing under the laws of Japan of 300, Kamimura Takatsuka, Hamana-gun, Shizuokaken, Japan. "Motor Bicycle". 17th September, 1984.
- Class. 1. No. 154370. Samsonite Corporation, a corporation organized under the laws of the State of Colorado, U.S.A., of 11200 East 45th Avenue, Denver, Colorado 80239, U.S.A. "Latch for Suitcase". Reciprocity date is 1st November, 1983. (U.K.).
- Class. 1. No. 154657. Associated Engineers, 5-A, D.D.A. Sheds, Okhla Industrial Area, Phase-II, New Delhi-110020, Union Territory of Delhi, India, a partnership firm. "Oil Transfer Unit". 1st August, 1984.
- Class. 1. No. 154332. Harbans Lal Malhotra & Sons Ltd., of P-12, New C.I.T. Road, Calcutta-700073, W.B., India, a Company incorporated under the Companies Act, 1956. "Industrial Blade". 19th September, 1984.
- Class. 1. No. 154333. Harbans Lal Malhotra & Sons Ltd., of P-12, New C.I.T. Road, Calcutta-700073, West Bengal, India, a Company incorporated under the Companies Act, 1956. "Industrial Blade". 19th April, 1984.
- Class. 1. No. 154334. Harbans Lal Malhotra & Sons Ltd., of P-12, New C.I.T. Road, Calcutta-700073, West Bengal, India, a Company incorporated under the Companies Act, 1956. "Industrial Blade". 19th April, 1984.
- Class. 1. No. 154767. Union Carbide India Limited, an Indian Company of 1, Middleton Street, Calcutta-700071, West Bengal, India. "Flashlight 5". 31st August, 1984.
- Class. 3. No. 154359. Amit Chemical 10/B, Brindaban Bosak Street, Calcutta-5, West Bengal, India, a Proprietorship firm. "Container". 27th April, 1984.
- Class. 3. No. 154460. Anjali Products, 170 Bombay Talkies Compound, Malad (West), Bombay-400064, State of Maharashtra, India. "A Student's Box". 30th May, 1984.
- Class. 3. No. 154462. Anjali Products, 170, Bombay Talkies Compound, Malad (West), Bombay-400064, State of Maharashtra, India. "A Vacuum Based Juicer". 30th May, 1984.
- Class. 3. No. 154464. Anjali Products, 170 Bombay Talkies Compound, Malad (West), Bombay-400064, State of Maharashtra, India. "A Beater-cum-Juicer". 30th May, 1984.
- Class. 3. No. 154466. Anjali Products, 170, Bombay Talkies Compound, Malad, (West), Bombay-400064, State of Maharashtra, India. "A Nut Cutter". 30th May, 1984.
- Class. 3. No. 154885. Camlin Private Limited, a company incorporated in India, of J. B. Nagar, Andheri Kurla Road, Andheri, Bombay-400 059, State of Maharashtra, India. "Applicator". 25th September, 1984.
- Class. 3. No. 154888. Eagle Flask Private Limited an existing Company under the Companies Act at Eagle Estate, Talegaon 410507, District Pune, Maharashtra State, India. "Serving Dish". 27th September, 1984.
- Class. 3. No. 154939. Milton Plastics, a registered Indian Partnership Firm, registered under Indian Partnership Act, 1932, having Office at 202/203 Raheja Centre, 214, Nariman Point, Bombay-400021, Maharashtra, India. "A Crescent Tray". 11th October, 1984.
- Class. 3. No. 154940. Milton Plastics, a registered Indian Partnership Firm, registered under Indian Partnership Act, 1932, having Office at 202/203 Raheja Centre, 214 Nariman Point, Bombay-400021, Maharashtra, India. "A Insulated Water Filter". 11th October, 1984.
- Class. 3. No. 154554. Ramon Products Private Limited, having its registered office at 205-A, Hiran Industrial Estate, Mogul Lane, Mahim, Bombay-400 016, Maharashtra, India, an India Company incorporated under the companies Act. "Transistor Radio". 28th July, 1984.
- Class. 3. No. 154768. Union Carbide India Limited, an Indian Company of 1, Middleton Street, Calcutta-700071, West Bengal, India. "Flashlight 6". 31st August, 1984.
- Class. 3. No. 154630. Universal Electrical Industries, B-124, Naraina Industrial Area, Phase I, New Delhi-110028, an Indian Partnership Firm. "Room Heaters". 25th July, 1984.
- Class. 3. No. 154463. Anjali Products, 170, Bombay Talkies Compound, Malad (West), Bombay-400064, State of Maharashtra, India. "An adjustable Slicer/Chipser". 30th May, 1984.
- Class. 3. No. 154564. Brian Bernard Trainis, a British Subject, of Fulwood House, Durford, Hampshire GU31 5RB, England. "Combined Table and Seats". 30th June, 1984.
- Class. 3. No. 154658. The Post Office, a British body corporate established by Statute, Postal Headquarters, St. Martin's-le-Grand, London EC1A 1 HQ, England. "Article Chute". 2nd August, 1984.

- Class 3. No. 154670. Peico Electronics and Electricals Ltd. of Shivsagar Estate, Block "A", Dr. Annie Besant Road, Worli, Bombay-18(WB), Maharashtra State, India, an Indian Company. "Mono Radio Recorder". 8th August, 1984.
- Class. 3. No. 154671. Peico Electronics and Electricals Ltd., of Shivsagar Estate, Block "A", Dr. Annie Besant Road, Worli, Bombay-18(WB), Maharashtra State, India, an Indian Company. "Mono Radio Recorder". 8th August, 1984.
- Class. 3. No. 154503. Geep Industrial Syndicate Limited (formerly known as Geep Flashlight Industries Limited) Manufacturers of 28, South Road, Allahabad, U.P., India, an Indian Company. "Pocket Lite Torch". 13th June, 1984.
- Class. 3. No. 154802. Crystal Plastics & Metallizing Private Limited (a private limited company duly incorporated under the Indian Companies Act) having its registered office at Sanghi House, Palkhi, Galli, Off Vicer Savarkar Marg, Prabhadevi, Bombay-400025, Maharashtra State, India". "Plastic Comb". 6th September, 1984.
- Class. 3. No. 154766. Optikala, 1. Swastik Industrial Estate, 178, C.S.T. Road, Kalina, Bombay-400098, Maharashtra State, an Indian Sole Proprietary Firm. "Geometrical Box". 31st August, 1984.
- Class. 3. No. 154619. Navbharat Radio Agencies, 350, Lamington Road, Bombay-40007, State of Maharashtra, an Indian Partnership Firm. "Torch Radio". 20th July, 1984.
- Class. 3. No. 154809. Eagle Flask Private Limited (an Indian Company under the Act) at Eagle Estate, Telegaon-410507, Maharashtra State, India. "Vacuum Flask". 10th September, 1984.
- Class. 3. No. 154184. Tobu Enterprises Private Limited, 8/29, Kirti Nagar Industrial Area, New Delhi-110015, India, an Indian Company. "Tricycle". 14th March, 1984.
- Class. 3. No. 154655. Tool Mint Engineers, 13, Mistry Industrial Complex, MIDC Cross Road, "A", Off Mahakali Road, Andheri (East), Bombay-400093, State of Maharashtra, an Indian Sole Proprietary Firm. "Instant Stamp". 1st August, 1984.
- Class. 3. No. 154656. Tool Mint Engineers, 13, Mistry Industrial Complex, MIDC Cross Road, "A", Off Mahakali Road, Andheri (East), Bombay-400093, State of Maharashtra, an Indian Sole Proprietary Firm. "Ice Tray Bottle". 1st August, 1984.
- Class. 3. No. 154697. Mrs. Moduguru Gunasekhar Usha, 13, North Chitrakulam Street, Mylapore, Madras-600004, Tamil Nadu, India, Indian National. "14th August, 1984.
- Class. 3. No. 154735. United States Surgical Corporation, a Corporation of the States of New York, having its offices at 150 Glover Avenue, Norwalk, Connecticut 06850, U.S.A. "Lateral Anastomosis Surgical Stapler". 27th August, 1984.
- Class. 3. No. 154738. United States Surgical Corporation, a Corporation of the States of New York, having its offices at 150 Glover Avenue, Norwalk, Connecticut 06850, U.S.A., "Linear Surgical Stapler". 27th August, 1984.
- Class. 3. No. 154739. United States Surgical Corporation, a Corporation of the States of New York, having its offices at 150 Glover Avenue, Norwalk, Connecticut-06850 U.S.A. "Cartridge for a Linear Surgical Stapler". 27th August, 1984.
- Class. 3. No. 154731. Parvathya Kandaswami, 64, Azeez Colony, Tiruvannamalai-606602, Tamil Nadu, India. "Letter Opener". 23rd August, 1984.
- Class. 3. No. 154736. United States Surgical Corporation, a Corporation of the State of New York, having its offices at 150, Glover Avenue, Norwalk, Connecticut-06850, U.S.A. "Cartridge for Lateral Anastomosis Surgical Stapler". 27th August, 1984.
- Class. 3. No. 154757. Asian Advertisers, 20, Kala Bhavan, 3, Mathew Road, Opera House, Bombay-400004, Maharashtra, an Indian Partnership Firm. "Pen Box". 31st August, 1984.
- Class. 3. No. 154760. Advance Reinforced Plastics Private Limited, a private limited company incorporated under the Indian Companies Act, having its registered office at Pardiparia Road, Post Box No. 42, Pardi-396125, Dist. Bulsar (Gujarat State). Storage Tank". 31st August, 1984.
- Class. 3. No. 154758. Asian Advertisers, 20, Kala Bhavan, 3, Mathew Road, Opera House, Bombay-400004, Maharashtra, an Indian Partnership Firm. "Pen Box". 31st August, 1984.
- Class. 3. No. 154240. Video Sonics Company, C-339, Defence Colony, New Delhi-110024, an Indian Proprietary Concern. "Video Cassette Cover". 28th March, 1984.
- Class. 3. No. 154787. Tobu Enterprises Private Limited, a company incorporated under the Indian Companies Act, 8/29, Kirti Nagar Industrial Area, New Delhi-110015, India, an Indian Company. "Suitcase". 4th September, 1984.
- Class 4. No. 154383. KMP Ayurvedic Research Centre, 1-E, Burman Street, Calcutta-7, a partnership firm. "Bottles". 5th May, 1984.
- Class. 4. No. 154709. Taylor Woodrow International Limited, a British Company of Western House, Western Avenue, London W5 1EU, United Kingdom. "Building Blocks". 17th August, 1984.
- Class. 4. No. 154710. Taylor Woodrow International Limited, a British Company of Western House, Western Avenue, London W5 1EU, United Kingdom. "Building Blocks". 17th August, 1984.
- Class. 4. No. 154884. Camlin Private Limited, a company incorporated in India, of J.B. Nagar, Andheri Kurla Road, Andheri, Bombay-400 059, State of Maharashtra, India. "Applicator". 25th September, 1984.
- Class. 10. No. 154631. Quality Rubber Store, 14, Shyam Market, Hingh Ki Mandi, Agra 282003, (U.P.), an Indian Partnership concern. "Sole for Footwear". 25th July, 1984.
- Class. 13. No. 154706. Niky Tasha (India) Private Limited, a Company incorporated under the Indian Companies Act, 1956, having its registered office at Mahalan House F-1 and E-2, N.D.S.E., Part II, New Delhi-110049. "Wick". 17th August, 1984.

Extn. of Copyright for the second period of five years.

Nos. 154211, 154213, 154448, 154450, 149039, 154452, 148913, 148915, 148803. Class-1.

Nos. 154212, 154449, 154451, 154214, 154453, 150985, 148914, 148916, 153497, 148696, 148690, 148689, 148601, 148676, 148671, 148666, 148667, 148604, 148605, 148606, 148642, 148659, 148652. Class-3.

No. 149116. Class-3.

Extn. of Copyright for the third period of five years.

Nos. 143329, 143330. Class-1.

Nos. 142419, 142436, 150985, 153497, 142216, 142217, 142218, 142219. Class-3.

R. A. ACHARYA,
Controller General of Patents,
Designs and Trade Marks.